



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140365

Mode: Highway

Status: Submitted

NC-111 (Catherine Lake Rd)

From/Cross Street: US 258 (Richlands Hwy)

Specific Improvement Type: 5 - Construct Roadway on New Location

To: SR 1308 (Gum Branch Rd)

Project Category: Regional Impact

Length: 3.27

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$30,204,000

Description:

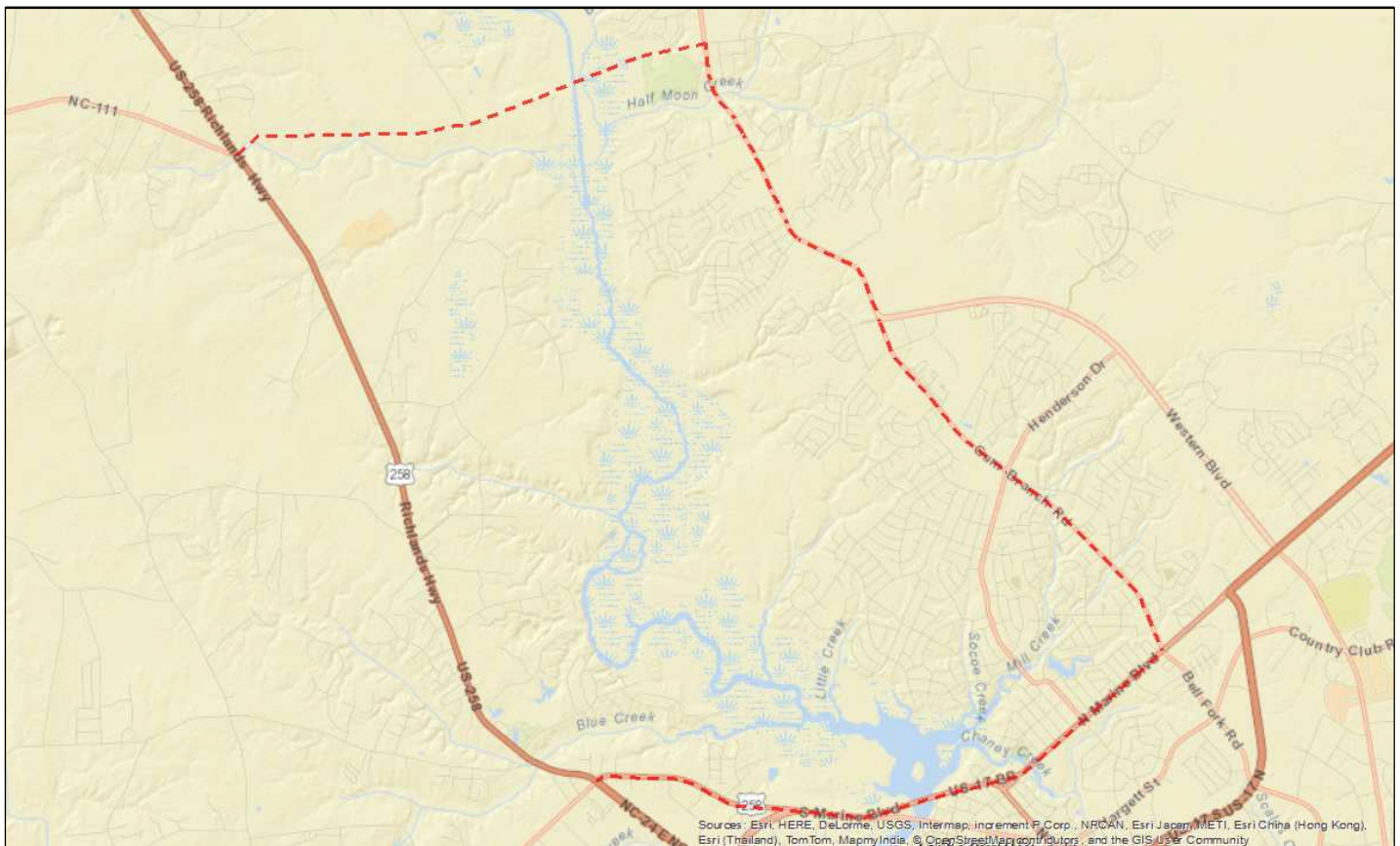
Construct continuation of NC 111 on new alignment to SR 1308 at existing SR 1324 intersection

Division(s): Division 3

County(s): ONSLOW

MPOS(s)/RPO(s): Jacksonville Urban MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 59.65

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 70.18 Multimodal + [Freight & Military] (25%) 6.15 [Travel Time] Benefit/Cost (20%) 82.08	Percent: 15% Points: 61	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 35.5		

Division Needs Total Score: 26.37

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 58.58 Safety (20%) 70.18 Multimodal + [Freight & Military] (10%) 6.15	Percent: 25% Points: 0	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 26.37		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles);	14.4
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	24774.57
Capacity:	30540.88
Volume/Capacity Ratio:	0.81
% Autos:	95%
% Trucks:	5%
Truck Volume:	1229.81
Crash Density:	99.82
Crash Severity:	65.3
Critical Crash Rate:	45.44
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	27
Existing Median Type (for Cost Estimation):	TWLT
Pavement Condition Rating:	70
Actual Congested Speed:	35.62
Travel Time Index:	1.26

Project Benefits

Project Cross-Section:	2A - 2 Lane Undivided with Paved Shoulders, 55 mph
Speed Limit:	55
Length (miles):	3.27
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	110400021.72
Travel Time Savings for 30 Years (Autos):	104919764.64
Travel Time Savings for 30 Years (Trucks):	5480257.08
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	JUMPO 2040 LRTP
CTP/LRTP Completion Year:	2014
Submitted by:	Jacksonville Urban MPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	61	0
	0%	0	0
	0%	0	0
TOTAL Division Points		61	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Jacksonville Urban MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$28,990,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,084,000	Cost Estimation Tool
Utilities Cost:	\$130,000	Cost Estimation Tool
Total Project Cost:	\$30,204,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$30,204,000	